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Inventor Information for 10/770403

Inventor Name	City	State/Country
MURPHY, TIMOTHY P.	PROVIDENCE	RHODE ISLAND
Appln Info Contents Petition Info	Atty/Agent Info	Continuity Data Foreign Data
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US D513751	USPAT	20060124	10	Disk drive bezel tray	D14/442		Alo; Roland Kamakau et
S							al.
US 6963304 B2	USPAT	20051108		Method and apparatus for providing an integrated communications, navigation and surveillance satellite system	342/357.02	342/357.06	Murphy; Timothy A.
US 6962867 B2	USPAT	20051108		Methods of fabrication of semiconductor dice having back side redistribution layer accessed using through-silicon vias and assemblies thereof	438/622	438/639; 438/672	Jackson; Timothy L. et al.
US 6936489 B2	USPAT	20050830		Method and system for electrically coupling a chip to chip package	438/25	257/81; 257/83; 257/E23.01	Murphy; Tim et al.
US D508122 S	USPAT	20050802		Air flow directing fixture for heating, air conditioning and ventilation devices	D23/387		Murphy; Timothy M.
US 6916291 B2	USPAT	20050712		Systems, methods and products for diagnostic hearing assessments distributed via the use of a computer network	600/559		Givens; Gregg D. et al.
US 6914952 B2	USPAT	20050705		Superframe alignment to a pre-existing	375/369	370/480; 370/509; 375/222;	Murphy; Tim et al.

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			ADSL data exchange		375/260; 375/356; 375/362	
US 6914317 B2	USPAT	20050705	Thin microelectronic substrates and methods of manufacture	257/522	257/524; 257/E21′.567; 257/E21.597; 257/E21.705; 257/E23.011	Larson; Charles E. et al.
US D506003 S	USPAT	20050607	Air flow directing and controlling fixture for heating, air conditioning and ventilation devices	D23/392	,	Murphy; Timothy M. et al.
US 6856683 B1	USPAT		Method for reducing noise from a non-linear device that shares a customer loop with an asymmetric digital subscriber line modem	379/390.01	379/1.03; 379/392.01	Murphy; Tim et al.
US 6831301 B2	USPAT	20041214	Method and system for electrically coupling a chip to chip package	257/83	257/80; 257/81; 257/82; 257/99; 257/E23.01; 438/22; 438/23; 438/24; 438/25	Murphy; Tim et al.
US 6824572 B2	USPAT	20041130	Vegetable oil based wax compositions	44/275	431/288	Murphy; Timothy A.
US 6800930 B2	USPAT	20041005	Semiconductor dice having back side redistribution layer accessed using through- silicon vias, and	257/700	257/737; 257/758; 257/784; 257/E21.597; 257/E23.011; 257/E23.146; 257/E25.013	Jackson; Timothy L. et al.

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			assemblies			
US 6797020 B2	USPAT	20040928	Triacylglycerol based wax for use in container candles	44/275	431/288	Murphy; Timothy A.
US 6773469 B2	USPAT .	20040810	Triacylglycerol based wax for use in candles	44/275	431/288	Murphy; Timothy A.
US 6770104 B2	USPAT	20040803	Triacylglycerol based candle wax	44/275	431/288	Murphy; Timothy A.
US 6765989 B1	USPAT	20040720	Method for optimizing downstream data transfer in an asymmetric digital subscriber line modem	379/22.08	375/224; 375/225; 375/227; 379/1.03; 379/27.01	Murphy; Tim et al.
US 6740499 B2	USPAT	20040525	Method for detecting bacterial exacerbations of chronic lung disease	435/24	435/29; 435/34; 435/4; 435/6	Sethi; Sanjay et al.
US 6732323 B1	USPAT	20040504	Method of selecting initialization parameters for multi-channel data communication with forward error correction	714/784	375/222; 714/712	Mitlin; Vlad et al.
US 6721502 B1	USPAT	20040413	Shared optical protection ring architecture	398/3	398/12; 398/2; 398/5	Al-Salameh; Daniel Y. et al.
US 6721394 B1	USPAT	20040413	Method for reducing noise from an asymmetric digital subscriber line modem	379/22.08	375/222; 379/1.01; 379/1.03; 379/24; 379/27.01; 379/413	Murphy; Tim et al.
US D487980	USPAT	20040406	Bench	D6/349	D6/482; D6/511	Murphy; Timothy

S						Troy
US 6693342 B2	USPAT	20040217	Thin microelectronic substrates and methods of manufacture	257/522	148/33.2; 257/773; 257/774; 257/775; 257/E21.567; 257/E21.597; 257/E21.705; 257/E23.011	Larson; Charles E. et al.
US 6690721 B1	USPAT	20040210	Method for asymmetric digital subscriber line modem recovery from insufficient transmit power	375/222	370/252; 375/257	Murphy; Tim et al.
US 6682814 B2	USPAT	20040127	Fiber-polymeric composite siding unit and method of manufacture	428/326	428/292.4; 428/339; 428/359; 428/507; 428/511; 52/309.1; 52/731.2; 52/731.4	Hendrickson; Gerald L. et al.
US 6674398 B2	USPAT	20040106	Method and apparatus for providing an integrated communications, navigation and surveillance satellite system	342/357.01	342/357.16; 342/456	Murphy; Timothy A.
US D484335 S	USPAT	20031230	Table	D6/487		Murphy; Timothy Troy
US 6645261 B2	USPAT	20031111	Triacylglycerol- based alternative to paraffin wax	44/275	431/288	Murphy; Timothy A. et al.
US 6640152 B1	USPAT	20031028	Modeling and control of sheet weight and moisture for paper machine transition	700/128	162/198; 162/253; 162/254; 162/259; 162/262; 700/122; 700/127; 700/129;	Chen; Shih- Chin et al.

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						700/305;	
						700/52	
US	USPAT	20030930		Method for rapid	379/1.03	370/252;	Murphy;
6628754				noise reduction		370/286;	Tim et al.
B1				from an		370/493;	,
				asymmetric		379/22.02;	
				digital		379/24;	
				subscriber line		379/32.04	
				modem		CIPG	
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US	USPAT	20030902		Cream	427/570	426/329;	Murphy;
6613400						426/330.3;	Michael
B1						426/573;	Laurence et
						426/576;	al.
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					426/577; 426/590; 426/613	
US 6584372 B1	USPAT	20030624	Dye rate control for paper web color change	700/128	356/402	Murphy; Timothy F.
US 6567520 B1	USPAT	20030520	Method and apparatus for detecting multiple telephone off-hook conditions	379/377	379/164	Murphy; Timothy F. et al.
US 6565244 B1	USPAT	20030520	Single source identification light bar	362/511	362/459; 362/487; 362/540; 362/551; 362/555; 385/47	Murphy; Timothy C. et al.
US 6549829 B1	USPAT	20030415	Skipping filter for inertially augmented landing system	701/16	244/183; 244/184; 244/194; 244/195; 342/357.06; 342/357.14; 701/214; 701/215; 701/216	Anderson; Leonard R. et al.
US 6547484 B2	USPAT	20030415	Apparatus for cutting rumble strips in a road surface	404/124	299/39.6; 404/122; 404/93	Murphy; Tim L.
US 6538780 B1	USPAT	20030325	Apparatus and method for reducing the number of control elements for crosstalk reduction devices in an optical switching network	398/39		Murphy; Timothy Owen et al.
US D469088 S	USPAT	20030121	Computer and expansion unit enclosure	D14/351	,	Kline; Jeff L. et al.
US D468308	USPAT	20030107	Computer enclosure	D14/350		Murphy; Tim Kerry et

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US 6503285 B1	USPAT	20030107	Triacylglycerol based candle wax	44/275	431/288	Murphy; Timothy A.
US 6456675 B2	USPAT	20020924	Diversity reception employing periodic testing	375/347	375/224; 455/135	Wagner; Keely Anne et al.
US 6454490 B1	USPAT	20020924	Method and apparatus for cutting rumble strips in roads	404/94	404/75; 404/93	Murphy; Tim L.
US D454562 S	USPAT	20020319	Direct access storage device expansion enclosure	D14/312		Kline; Jeff L. et al.
US D454346 S	USPAT	20020312	Computer storage enclosure	D14/312		Kline; Jeff L. et al.
US D454345 S	USPAT	20020312	Computer enclosure	D14/312		Kline; Jeff L. et al.
US D453931 S	USPAT	20020226	Computer processor enclosure	D14/311		Murphy; Tim Kerry et al.
US 6320867 B1	USPAT	20011120	Method and apparatus for hierarchical management of subscriber link traffic on digital networks	370/420	370/467	Bellenger; Donald Morgan et al.
US 6303469 B1	USPAT -	20011016	Thin microelectronic substrates and methods of manufacture	438/459	257/E21.567; 257/E21.597; 257/E21.705; 257/E23.011; 438/422; 438/463; 438/940; 438/977	Larson; Charles E. et al.
US 6235051 B1	USPAT	20010522	Method of stent- graft system delivery	623/1.12	623/1.11	Murphy; Timothy P.
US . D439578 S	USPAT	20010327	Enclosure for a direct access storage device	D14/311		Murphy; Tim K. et al.

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US 6122877 A	USPAT	20000926	expansion unit for a data processing system Fiber-polymeric composite siding unit and method of manufacture	52/520	52/233; 52/309.1; 52/404.1; 52/539; 52/585.1;	Hendrickson; Gerald L. et al.
US 6108383 A	USPAT	20000822	Method and apparatus for compression and decompression of video images	375/240	52/592.1; 52/745.19 375/240.24	Miller; Daniel et al.
US D426199 S	USPAT	20000606	Disk drive for a data processing system	D14/368		Hill; David Wayne et al.
US 6033877 A	USPAT	20000307	Peptide expression and delivery system	435/69.7	435/252.3; 435/320.1; 530/350; 536/23.4	Murphy; Timothy F. et al.
US D418569 S	USPAT	20000104	T-ball matt	D21/780		Murphy; Tim
US 5995043 A	USPAT	19991130	Aircraft satellite navigation precision- approach system including CDMA datalink	342/357.03	342/357.04; 701/215	Murphy; Timothy Allen
US 5987060 A	USPAT	19991116	System and method of radio communications with an up-down digital signal link	375/213	370/249; 370/293; 375/220; 375/221; 375/224; 375/257; 379/29.01; 379/30; 455/14; 455/15; 455/3.02	Grenon; Jean- Francois et al.
US 5972657 A	USPAT	19991026	Gene encoding outer membrane protein B1 of	435/69.3	435/320.1; 435/325; 435/71.1;	Murphy; Timothy F. et al.

			moraxella catarrhalis		536/23.7	
US 5970201 A	USPAT	19991019	Power regulation in optical networks	385/140	385/16; 385/24; 385/45	Anthony; Philip Joh et al.
US D415123 S	USPAT	19991012	Enclosure for a network computer	D14/311	D14/351	Murphy; Tim Kerry
US 5948412 A	USPAT	19990907	Vaccine for Moraxella catarrhalis	424/251.1	530/350	Murphy; Timothy F
US 5946327 A	USPAT	19990831	Method and apparatus for converting between a multi- bit TDM bus and a single-bit TDM bus using digital logic	370/517	341/100; 341/101; 370/535; 370/536; 710/71	Murphy; Tim
US 5901263 A	USPAT	19990504	Hot pluggable module integrated lock/extraction tool	385/92	385/88; 385/89	Gaio; Dav P. et al.
US 5881247 A	USPAT	19990309	System having a plurality of frame bytes capable of identifying addressed recipients and assert a busy signal onto the backplane bus to forthrightly abort the message transfer	710/100	709/232; 709/234; 709/235; 709/236; 710/57	Dombrosk Dennis J. 6 al.
US D406100 S_	USPAT	19990223	Enclosure for an uninterruptible power supply	D13/110		Murphy; Tim Kerry
US D404726 S	USPAT	19990126	Computer Enclosure	D14/308		Murphy; Tim Kerry al.
US D404725 S	USPAT	19990126	Computer	D14/311		Murphy; Tim Kerry al.

US D404379 S	USPAT	19990119	Data processing system	D14/312		Murphy; Tim Kerry et al.
US D404378 S	USPAT	19990119	Data processing system	D14/312	D14/350	Murphy; Tim Kerry et al.
US D404023 S	USPAT	19990112	Data processing system	D14/312		Murphy; Tim Kerry et al.
US 5786773 A	USPAT	19980728	Local-area augmentation system for satellite navigation precision- approach system	340/947	340/948; 340/979; 342/33; 342/352; 342/357.15; 342/358; 342/455; 342/456; 701/16; 701/215; 701/301	Murphy; Timothy Allen
US D396030 S	USPAT	19980714	Workstation controller for a data processing system	D14/388		Murphy; Tim Kerry
US D395039 S	USPAT	19980609	Enclosure for a computer	D14/342		Murphy; Tim Kerry et al.
US 5764927 A	USPAT	19980609	Backplane data transfer technique for industrial automation controllers	710/105	710/107	Murphy; Timothy J. et al.
US D393833 S	USPAT	19980428	Deskside data processing system	D14/351.		Aderman; Wayne Lowell et al.
US 5745708 A	USPAT	19980428	Method for and apparatus for operating a local communications module in arbitrating for mastership of a data transfer across a back plane bus in	710/119	340/825.5; 710/242	Weppler; Robert C. et al.

			industrial automation controller			
US 573473 <u>6</u> A	USPAT	19980331	Autonomous rendezvous and docking system and method therefor	382/103	244/172.4; 250/548; 342/64; 382/197; 382/256	Palmer; Leon G. et al.
US 5725862 A	USPAT	19980310	Vaccine for branhamelia catarrhalis	424/251.1	424/184.1; 424/185.1; 424/234.1; 435/252.3; 435/254.11; 435/320.1; 435/69.1; 435/70.1; 435/71.1; 514/2; 530/300; 530/350	Murphy; Timothy F.
US D390201 S	USPAT	19980203	Workstation controller for a data processing system	D14/388		Murphy; Tim Kerry
US 5712118 A	USPAT	19980127	Vaccine for branhamella catarrhalis	435/69.3	435/235.1; 435/252.1; 435/320.1; 435/91.1; 435/91.4; 530/350; 536/22.1; 536/23.1	Murphy; Timothy F.
US D389088 S	USPAT	19980113	Workstation controller for a data processing system	D14/351		Murphy; Tim Kerry
US D388406 S	USPAT	19971230	Disk drive for a data processing system	D14/369		Hill; David Wayne et al.
US D384946 S	USPAT	19971014	Media drive for a data processing system	D14/368		Hill; David Wayne et al.
US 5664490 A	USPAT	19970909	Melon peeler apparatus	99/541	99/547; 99/584; 99/589;	Tompkins; Nicholas J. et al.

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US D383139 S	USPAT	19970902	External modem enclosure for a data processing system	D14/242		Hill; David Wayne et al.
US D380741 S	USPAT	19970708	Sidecar unit for a data processing system	D14/308		Hill; David Wayne et al.
US D380211 S	USPAT	19970624	Front panel for a rack mounted data storage unit for a data processing system	D14/445		Aderman; Wayne L. et al.
US D380206 S	USPAT	19970624	Media drive for a data processing system	D14/365		Hill; David Wayne et al.
US D380200 S	USPAT	19970624	Data storage unit for a data processing system	D14/313		Hill; David Wayne et al.
US 5616360 A	USPAT	19970401	Method for processing fresh melons	426/615	426/262; 426/267; 426/268; 426/270; 426/310; 426/335; 426/396; 426/465; 426/482; 426/484; 426/518; 426/524; 426/541; 426/546	Tompkins; Nicholas J. et al.
US 5616354 A	USPAT	19970401	Method for processing fresh strawberries for extended shelf life	426/324	426/326; 426/396; 426/615	Tompkins; Nicholas J. et al.
US 5607846 A	USPAT	19970304	Vaccine for moraxella catarrhalis	435/69.3	435/252.3; 435/252.8; 435/320.1; 536/23.1	Murphy; Timothy F. et al.

US 5583508 A	USPAT	19961210	Methods and systems of attitude determination	342/62	342/146; 342/147; 342/148	Pugh; Bryan et al.
US 5556755 A	USPAT	19960917	Method for detecting Branhamella catarrhalis	435/6	435/871; 435/91.1; 435/91.2; 536/23.7; 536/24.32; 536/24.33; 536/25.3	Murphy; Timothy F.
US 5526228 A	USPAT	19960611	Computer system unit with acoustic dampening cooling fan shroud panel	361/695		Dickson; Russell E. et al.
US 5525871 A	USPAT	19960611	Electrodeless discharge lamp containing push- pull class E amplifier and bifilar coil	315/248	315/344	Bray; Derek et al.
US 5509210 A	USPAT	19960423	Multiple position level	33/382	33/379; 33/390	Murphy; Timothy K.
US D366651 S	USPAT	19960130	Disk storage expansion unit for a data processing system	D14/363		Hill; David W. et al.
US D366648 S	USPAT	19960130	Data processing system	D14/308		Hill; David W. et al.
US D366462 S	USPAT	19960123	Data processing system	D14/351		Hill; David W. et al.
US 5487066 A	USPAT	19960123	Distributed intelligence network using time and frequency multiplexing	370/436	370/410; 370/516	McNamara; Robert P. et al.
US D366249 S	USPAT	19960116	Data processing system	D14/311		Hill; David W. et al.

US D365340 S	USPAT	19951219	Electronic key for a data processing system	D14/356	D8/347	Hill; David W. et al.
US 5463317 A	USPAT	19951031	Shield integrity monitor	324/520	324/619; 324/652; 370/241	Murphy; Timothy A.
US D361538 S	USPAT	19950822	Auxiliary power unit for a data processing system	D13/110		Hill; David W. et al.
US D360406 S	USPAT	19950718	Portable data processing system	D14/351		Hill; David W. et al.
US D360405 S	USPAT	19950718	Portable data processing system	D14/351		Hill; David W. et al.
US D359681 S	USPAT	19950627	Disposable storage container	D9/418	D9/432	Murphy; Timothy D.
US 5403163 A	USPAT	19950404	Motor mount for blower housing	417/350	248/638; 417/423.15	Murphy; Timothy M
US D356784 S	USPAT	19950328	Tape drive for a data processing system	D14/362		Hill; David W. et al.
US 5387850 A	USPAT	19950207	Electrodeless discharge lamp containing push- pull class E amplifier	315/248	315/344; 315/39; 330/10	Bray; Derek et al.
US 5380502 A	USPAT		System for suspending reactor tubes in a reactor	422/197	165/82; 248/58; 248/59; 248/613; 248/901; 422/310; 422/311	Murphy; Timothy J. 6 al.
US 5378992 A	USPAT	19950103	Method and apparatus for measuring the loop self impedance of shielded wiring non-intrusively utilizing the	324/627	324/543; 324/629	Murphy; Timothy A.

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			transformer ratio of a sense			
			current probe and the current			
			transformer ratio			
			of a drive			
			current probe			ļ
US	USPAT	19941004	Magnetic disk	D14/368	1	Hill; David
D351146	001711	13311001	drive for a data	D1 11300		W. et al.
S			processing	Ti .		
			system			'
US	USPAT	19941004	Tape drive for a	D14/362		Hill; David
D351145			data processing		1	W. et al.
S			system			
US	USPAT	19940927	Optical disk	D14/368		Hill; David
D350945			drive for a data			W. et al.
S			processing			
			system			
US	USPAT	19940920	Tape drive for a	D14/362		Hill; David
D350734			data processing			W. et al.
S			system		1	
US	USPAT	19940503	Low temperature	204/222	204/234;	Murphy;
5308464			tin-bismuth		204/242;	Timothy I. et
A			electroplating		204/277;	al.
TIC	LICDAT	10040405	system	520/420	204/293) / () / (
US 5200622	USPAT	19940405	Method for	530/420	435/68.1;	Murphy;
5300632			purifying an outer membrane	•	435/891; 530/350;	Timothy F.
A					530/330;	et al.
			protein of Haemophilus		530/412;	
			influenzae		530/418,	
			ninuciizae		530/419,	
					530/825	
US	USPAT	19930803	Antenna beam	342/375	342/371	Murphy;
5233358	551111	17750005	forming system	312,313	3.2.371	Timothy A.
A			3,000			
US	USPAT	19930727	Motor mount for	417/350	248/638;	Murphy;
5230612	·		blower housing	-	417/423.15	Timothy M.
A			Ĭ I			
US	USPAT	19930713	Low temperature	205/252	204/DIG.13;	Murphy;
5227046			tin-bismuth		205/253;	Timothy I. et
A			electroplating		205/254	al.
			system			
US	USPAT	19930622	Reed holder	206/314	206/479;	Murphy;
5221004	;				206/495;	Timothy M.

A						206/805	
US 5173294 A	USPAT	19921222		DNA probe for the identification of Haemophilus influenzae	424/139.1	424/150.1; 424/164.1; 424/190.1; 424/256.1; 435/320.1; 435/6; 435/7.32; 435/961; 435/972; 530/388.3; 536/23.7; 536/24.32	Murphy; Timothy F. et al.
US 5126601 A	USPAT	19920630	•	Driver and receiver for a differential-signal electrical interface	326/75	326/21; 326/82; 326/89	Murphy; Timothy F.
US 5111070 A	USPAT	19920505		DC input circuit with controlled leakage current	327/103	327/100; 327/165	Murphy; Timothy J. et al.
US 5088111 A	USPAT	19920211		Modulation and demodulation system employing AM-PSK and FSK for communication system using digital signals	375/290	375/269; 375/293	McNamara; Robert P. et al.
US D323629 S	USPAT	19920204		Football score keeper	D10/46.1		Murphy; Timothy J.
US 5084903 A	USPAT	19920128		Modulation and demodulation system employing AM-PSK and QPSK communication system using digital signals	375/290	370/204; 370/276; 375/269; 375/281; 375/283; 375/293	McNamara; Robert P. et al.
US 5022799 A	USPAT	19910611		Coke drum drill stem alignment device	408/1R	175/220; 408/59; 408/80	Torres; Daniel L. et al.
US 4964964	USPAT	19901023		Electroplating apparatus	204/224R	204/228.1; 204/229.8;	Murphy; Timothy I.

A		-			204/297.07;	
A					204/297.07,	
					204/257.13, 204/DIG.7	
US.	USPAT	19901009	Low loss	385/132	385/130	Hernandez-
4961619	OSIAI	19901007	waveguide	303/132	363/130	Gil; Jose F.
A			intersection			et al.
US	USPAT	19900612	Cradle for	205/88	118/428;	Murphy;
4933049	001711	13300012	supporting	203700	118/429;	Timothy I. et
A			printed circuit		118/500;	al.
			board between		204/222;	
		•	plating		204/224R;	
			manifolds		204/225;	
					204/273;	
					204/278;	
					204/279;	
					204/288;	
					204/297.13;	
					204/297.15;	
					205/125;	
					205/128;	
,					205/150; 427/443.1;	
		-			427/97.7;	
					427/99.5	
US	USPAT	19900417	Method and	700/3	710/15	Floro;
4918589			apparatus for			William E. et
Α			linking			al.
			processors in a			
			hierarchical			
			control system			
US	USPAT	19891121	Programmable	710/2	700/3; 700/8	Struger; Odo
4882702			controller with			J. et al.
Α			I/O expansion			
			module located			
		·	in one of I/O			
			module positions for			
			communication			
		·	with outside I/O			
			modules			
US	USPAT	19891121	Steerable beam	342/373	342/354	Renshaw;
4882588			antenna system			Kenneth H.
Α			using butler			et al.
			matrix		<u> </u>	
US	USPAT	19890228	Remote I/O port	710/52		Floro;
4809217			for transfer of			William E. et

				I/O data in a	T		
A				I/O data in a programmable			al.
				controller			
US	USPAT	19880202		Programmed	700/190	318/572;	Beyer; Peter
4723219		17000202		path for	700,150	700/178	J. et al.
Α				automatic tool			
•				retraction and			
				return			
			:	responsive to			
				degradation			
				threshold			
US	USPAT	19830809		Method of	156/62	156/247;	Johnson;
4397701				making masks		156/344;	Sander K. et
A						2/206;	al.
						206/225; 206/575;	
						264/222;	
		į				264/258;	
						264/DIG.30;	
						428/16;	
						428/542.2;	
						428/703;	
						434/82;	
	7705.5	,		5. 2		446/385	
US	USPAT	19780815	5	Platform bed	5/181	5/184; 5/400;	Murphy;
4106138 A						5/739	Timothy P.
US	USPAT	19740122	-	ELECTRIC	310/50	200/332.2;	Murphy;
3787742	USIAI	19740122		SHEARS	310/30	30/228	Timothy C.
A						30,220	
US	USPAT	19691028		SCISSORS	30/228	30/267;	MURPHY
3474534				BLADES		30/268;	TIMOTHY
A				[TEXT		D8/61	C
				AVAILABLE			
				IN USOCR			
110	1105 :=	10621656		DATABASE]	450 (00		
US	USPAT	19621030		Combined	473/99		MURPHY
3061309 A				bumper and			TIMOTHY M
A				guide for automatic			IVI
				bowling pin			
				setting machines			!
				[TEXT			
				AVAILABLE			
				IN USOCR			
				DATABASE]			

US	USPAT	19450529	Color paste	106/31.58	106/253;	MURPHY
23771	72		composition	:	106/31.07	TIMOTHY
Α			[TEXT			FA
			AVAILABLE			
			IN USOCR			
			DATABASE]			